

SERIAL 04233 S

**WIDE AREA NETWORK INFRASTRUCTURE SERVICE–
LIBRARY DISTRICT**

DATE OF LAST REVISION: July 20, 2006

CONTRACT END DATE: February 28, 2008

CONTRACT PERIOD THROUGH FEBRUARY 28, 2008

TO: All Departments

FROM: Department of Materials Management

SUBJECT: Contract for **WIDE AREA NETWORK INFRASTRUCTURE
SERVICE– LIBRARY DISTRICT**

Attached to this letter is published an effective purchasing contract for products and/or services to be supplied to Maricopa County activities as awarded by Maricopa County on **February 16, 2005**.

All purchases of products and/or services listed on the attached pages of this letter are to be obtained from the vendor holding the contract. Individuals are responsible to the vendor for purchases made outside of contracts. The contract period is indicated above.

Wes Baysinger, Director
Materials Management

LC/mm
Attach

Copy to: Clerk of the Board
Vicki Terbovich, Library District
John Werbach, Library District
Mirheta Muslic, Materials Management

(Please remove Serial 01188-S from your contract notebooks)

SPECIFICATIONS ON INVITATION FOR BID FOR: **WIDE AREA NETWORK INFRASTRUCTURE SERVICE– LIBRARY DISTRICT**

1.0 **INTENT:**

Maricopa County Library District is soliciting bids to install and provide Wide Area Network Infrastructure. The service must connect various locations of the Library District's Wide Area Network through leased private line services-through facilities leased from a telecommunications common carrier. This service is eligible for the Universal Service Program's discounts (E-Rate).

The purpose of these circuits is the provision of network access and Internet services to customers in all (13) Thirteen branches of the Maricopa County Library District. The MCLD intends to increase the number of publicly accessible PCs in its branches. Further, it is the District's intent to update and upgrade its existing infrastructure based upon a more modern, efficient, and flexible wide area network design. MCLD intends to incorporate (2) Two distinct data centers that can provide fail over and redundancy related to the District's key business systems. This network design will accommodate the proposed growth and expansion of the MCLD including those additional libraries, which are in the current planning stages and slated for opening in the next 3-5 years.

Please refer to the diagram in attached Exhibit 2 for an overview of the provisional Network Assessment – MetroEthernet WAN Model. Please note that this is preliminary plan and is subject to revision.

Please also note that Technical Specifications in Section 2.0 are based on this preliminary plan and a projected expansion/buildout model. It is expected that applicable projects and their respective specifications could and will be incorporated in STAGES over a period of time undetermined at this time. Specific needs are subject to change and potential vendors should note that specifications and subsequent price offerings would not construe any guarantees of business.

2.0 **TECHNICAL SPECIFICATIONS:**

Maricopa County intends to award this contract to a single provider except for Internet Services Provision, which will be awarded to two separate companies to ensure redundancy. Responding Vendors may subcontract (Reference Section 2.3) **Please refer to the attached Metro Ethernet Model in Exhibit 2.**

2.1 The following is a description of the services to be bid:

2.1.1 **METRO ETHERNET BRANCH CIRCUITS**

Circuits connect into Metro Ethernet Service/Provider creating V-LAN so that all locations look and act like they are all part of the same LAN.

2.1.1.1	Fountain Hills	100 Mbps
2.1.1.2	Gilbert	100 Mbps
2.1.1.3	Surprise	100 Mbps

2.1.2 **METRO ETHERNET DATA CENTER CIRCUITS**

Circuits also connect to the Metro Ethernet Infrastructure and are the main locations for proposed Data Center.

2.1.2.1	Campbell/ADM	100 Mbps
2.1.2.2	Anthem	100 Mbps

2.1.3 **ISP CIRCUITS**

Internet Service Provider Bandwidth requirements. Each location gets to the bandwidth via their connection. Either via Metro Ethernet or Frame Relay

2.1.3.1	Campbell/ADM	9 Mbps	ATM
2.1.3.2	Anthem	9 Mbps	ATM
2.1.3.3	Campbell/ADM	12 Mbps	ATM

2.1.3.4 Anthem 12 Mbps ATM

2.1.2.5 Campbell/ADM 15 Mbps ATM

2.1.2.6 Anthem 15 Mbps ATM

Internet Service may include dedicated services at multiples of 9Mbps as well.

2.1.4 FRAME NETWORK

Each location has two virtual circuits pointing through frame relay cloud to ADM/Campbell & Anthem.

2.1.4.1 HollyHock 1.544/1024CIR Frame

2.1.4.2 Queen Creek 1.544/1024CIR Frame

2.1.4.3 Laveen 1.544/1024CIR Frame

2.1.4.4 Gila Bend 1.544/1024CIR Frame

2.1.4.5 Guadalupe 1.544/1024CIR Frame

2.1.4.6 Sun Lakes 1.544/1024CIR Frame

2.1.4.7 El Mirage 1.544/1024CIR Frame

2.1.4.8 Aguilla 1.544/1024CIR Frame

2.1.4.9 Litchfield 1.544/1024CIR Frame

2.1.4.10 HollyHock 2nd VC

2.1.4.11 Queen Creek 2nd VC

2.1.4.12 Laveen 2nd VC

2.1.4.13 Gila Bend 2nd VC

2.1.4.14 Guadalupe 2nd VC

2.1.4.15 Sun Lakes 2nd VC

2.1.4.16 El Mirage 2nd VC

2.1.4.17 Aguilla 2nd VC

2.1.4.18 Litchfield 2nd VC

2.1.4.19 Aguila DSL 1.544/VPN To Insure that Aguila has connectivity in event Frame as above in unavailable.

2.1.4.20 Campbell 6 Mbps ATM Aggregation Link

2.1.4.21 Anthem 6 Mbps ATM Aggregation Link

Redundant Links to insure connectivity for VOIP & Internet if Metro Outage
1.544/1024C14 FRAME

2.1.4.22 Fountain Hills Redundant Link

2.1.4.23 Gilbert Redundant Link

2.1.4.24 Surprise Redundant Link

2.1.5 PHONE – POTS BACK-UP LINES

2.1.5.1 Small Libraries (9) Nine Qty – (1) One Line Each

2.1.5.2 Large Libraries (12) Twelve Qty – (3) Three Lines Each

2.1.6 PHONE – PRIMARY VOICE T1's

Trunk Lines for VOIP to connection

2.1.6.1 Campbell (3) Three Full T1's prior to final acceptance.

2.1.7 EXISTING LINES OF SERVICES TO BE BID

Vendor is to provide pricing on existing lines of service with the understanding that some or all of these requirements may be phased out and/or replaced with services as applicable above.

2.1.7.1 One ATM cell relay circuit between the Library District's main computer center, 17811 N. 32nd Street, Phoenix, Arizona and the existing cell relay service at 211 W Monroe St, Phoenix, Arizona.

2.1.7.2 One ATM cell relay circuit between the Library District's Northwest Regional Library, 16089 N. Bullard, Surprise AZ, 85374, and the existing cell relay service at 211 W Monroe St, Phoenix, Arizona.

- 2.1.7.3 One DS-3 dual entrance, counter-rotating Sonnet Ring Service at 17811 N. 32nd Street, Phoenix, Arizona.
- 2.1.7.4 Three DS-1 frame relay access service at 17811 N. 32nd Street, Phoenix, Arizona that come in over Sonnet Ring Service. Two DS-1s will have 3 PVC's and one DS-1 will have 4 PVC's.
- 2.1.7.5 One Point-to-Point DS-1 service from the Southeast Regional Library, 775 N. Greenfield Road, Gilbert, Arizona to the Southeast Regional Court Complex, 155 E. Coury, Mesa, Arizona.
- 2.1.7.6 One Point-to-Point DS-1 service from the Fountain Hills Branch Library, 12901 N La Montana Dr, Fountain Hills, AZ to the Library District main computer center, 17811 N. 32nd Street.
- 2.1.7.7 One Digital Subscriber Line T-1 at the Library District's Litchfield Park Branch located at 101 W. Wigwam Boulevard, Litchfield Park, Arizona 85340
- 2.1.7.8 Seven DS-1 frame relay access service with one PVC each. Each of these will point back to one of the three DS-1s mentioned in item number 2.1.7.4. The locations where DS-1 frame relay service is desired are as follows:
 - 14011 N 1st Ave El Mirage, Arizona, 85335
 - 202 N. Euclid, Gila Bend, Arizona, 85337
 - 9241 S. Avenida del Yaqui, Guadalupe, Arizona, 85283
 - 9401 S. 51st Avenue, Laveen, Arizona, 85339
 - 22407 S. Ellsworth Road, Queen Creek, Arizona, 85242
 - 9330 E. Riggs Road, Suite 207, Sun Lakes, Arizona, 85248
 - 15844 N. Hollyhock, Surprise, Arizona, 85374.

2.2 — ACCEPTANCE

~~VENDOR MUST CONFIRM ACCEPTANCE OF SERVICE LEVEL AND PENALTIES AS SHOWN IN ATTACHMENT D.~~

2.3 SUBCONTRACTING:

The Contractor may not assign this Contract or Subcontract to another party for performance of the terms and conditions hereof **without the written consent of the County.** All correspondence authorizing subcontracting must reference the Bid Serial Number and identify the job project.

The Subcontractor's rate for the job shall not exceed that of the Prime Contractor's rate, as bid in the pricing section, unless the Prime Contractor is willing to absorb any higher rates. The Subcontractor's invoice shall be invoiced directly to the Prime Contractor, who in turn shall pass-through the costs to the County, without mark-up. A copy of the Subcontractor's invoice must accompany the Prime Contractor's invoice.

2.4 REFERENCES

Contractors must provide at least five (5) reference accounts to which they are presently providing this service (Attachment C). Included must be the name of the government or company, individual to contact, phone number, street address and e-mail address. Preference in awarding this Contract may be given to Contractors furnishing government accounts similar in size to Maricopa County.

2.5 DELIVERY

Terms of Delivery shall be negotiated between the Library District and contracted vendor at time of order placement and/or issuance of Purchase Order.

3.0 **SPECIAL TERMS & CONDITIONS:**

3.1 CONTRACT LENGTH:

This Invitation for Bids is for awarding a firm, fixed price purchasing contract to cover a Three (3) year period.

3.2 OPTION TO EXTEND:

The County may, at their option and with the approval of the Contractor, extend the period of this Contract up to a maximum of Three (3), one (1) year options. The Contractor shall be notified in writing by the Materials Management Department of the County's intention to extend the contract period at least thirty (30) calendar days prior to the expiration of the original contract period.

3.3 ESCALATION:

Any request for reasonable price adjustments must be submitted thirty (30) days prior to the Contract expiration or Anniversary date. Justification for the requested adjustment in cost of labor and/or materials must be supported by appropriate documentation and fall within the Producer Price Index for the commodity. Increases are subject to approval in writing by the Materials Management Department prior to any adjusted invoicing being submitted for payment.

3.4 EVALUATION CRITERIA:

The evaluation of this Bid will be based on, but not limited to, the following:

3.4.1 Compliance with specifications

3.4.2 Price

3.4.3 Determination of responsibility

The County reserves the right to award in whole or in part, by item or group of items, by section or geographic area, or make multiple awards, where such action serves the County's best interest.

3.5 TAX:

No tax shall be levied against labor. Bid pricing to include all labor, overhead tools and equipment used, profit, and any taxes that may be levied. It is the responsibility of the Contractor to determine any and all taxes and include the same in bid price.

It is understood that applicable taxes to these services vary by location and are subject to fluctuation. Respondents are requested to include applicable taxes in their response with understanding that all taxes are based on estimates derived from CURRENT RATES and the AVERAGE CITY SALES TAXES for the communities in question.

3.6 FACILITIES:

During the course of this Agreement, the County shall provide the Contractor's personnel with adequate workspace for consultants and such other related facilities as may be required by Contractor to carry out its obligation enumerated herein.

3.7 INDEMNIFICATION AND INSURANCE:

3.7.1 Indemnification.

To the fullest extent permitted by law, Contractor shall defend, indemnify, and hold harmless the County, its agents, representatives, officers, directors, officials, and employees from and against all claims, damages, losses and expenses, including but not limited to attorney fees and costs, relating to this Contract.

The amount and type of insurance coverage requirements set forth herein will in no way be construed as limiting the scope of the indemnity in this paragraph.

The scope of this indemnification does not extend to the negligence of the County.

3.7.2 Insurance Requirements.

Contractor, at its own expense, shall purchase and maintain the herein stipulated minimum insurance with companies duly licensed, possessing a current A.M. Best, Inc. Rating of B++6, or approved unlicensed companies in the State of Arizona with policies and forms satisfactory to the County.

All insurance required herein shall be maintained in full force and effect until all work or service required to be performed under the terms of the Contract is satisfactorily completed and formally accepted. Failure to do so may, at the sole discretion of the County, constitute a material breach of this Contract.

The Contractor's insurance, **as respects Contractor's negligence** shall be primary insurance as respects the County, and any insurance or self-insurance maintained by the County shall not contribute to it.

Any failure to comply with the claim reporting provisions of the insurance policies or any breach of an insurance policy warranty shall not affect coverage afforded under the insurance policies to protect the County.

The Contractor shall be solely responsible for the deductible and/or self-insured retention. ~~and the County, at its option, may require the Contractor to secure payment of such deductibles or self-insured retentions by a surety bond or an irrevocable and unconditional letter of credit.~~

The County reserves the right to request ~~and~~ to **review** ~~receive~~, within ten (10) working days, certified copies of any or all of the herein required insurance policies and/or endorsements, **at a mutually acceptable Contractor location in (City) AZ.** The County shall not be obligated, however, to review such policies and/or endorsements or to advise Contractor of any deficiencies in such policies and endorsements, and such receipt shall not relieve Contractor from, or be deemed a waiver of the County's right to insist on strict fulfillment of Contractor's obligations under this Contract.

The insurance policies required by this Contract, except Workers' Compensation, shall name the County, its agents, representatives, officers, directors, officials and employees as Additional Insureds **as respect claims for damages for personal injury, including accidental death, and property damage that may arise from the Contractor's acts or omissions or the acts or omissions of its subcontractors, or anyone directly or indirectly employed by either of them under this agreement.**

The insurance policies required hereunder, except Workers' Compensation, shall contain a waiver of transfer of rights of recovery (subrogation) against the County, its agents, representatives, officers, directors, officials and employees for any claims arising out of Contractor's work or service/**and due to Contractor negligence.**

- 3.7.2.1 Commercial General Liability. Contractor shall maintain Commercial General Liability insurance with a limit of not less than \$1,000,000 for each occurrence with a \$2,000,000 Products/Completed Operations Aggregate and a \$2,000,000 General Aggregate Limit. The policy shall include coverage for bodily injury, broad form property damage, personal injury, products and completed operations and blanket contractual coverage including, but not limited to, the liability assumed under the indemnification provisions of this Contract, **subject to the policy's terms and conditions** which coverage will be at least as broad as Insurance Service Office, Inc. Policy Form CG 00 01 10 **97 93** or any replacements thereof.

The policy shall contain a severability of interest provision, **provided that such "interest" does not increase the policy's limit of liability**, and shall not contain a sunset provision or commutation clause, or any provision which would serve to limit third party action over claims.

The Commercial General Liability additional insured endorsement shall be at least as broad as the Insurance Service Office, Inc.'s Additional Insured, Form CG 20 10 **97 04 11-85**, ~~and shall include coverage for Contractor's operations and products and completed operations.~~

If the Contractor subcontracts any part of the work, services or operations awarded to the Contractor, Contractor shall **either (a)** purchase and maintain, at all times during prosecution of the work, services or operations under this Contract, an Owner's and Contractor's Protective Liability insurance policy for bodily injury and property damage, including death, which may arise in the performance of the Contractor's work, service or operations under this Contract, **or (b) require its subcontractors to maintain insurance as required under this paragraph 3.7.2.1 and Contractor shall include independent Contractor's coverage under Contractor's Policy. The Owner's and Contractor's Protective Liability coverage** ~~Coverage~~ shall be on an occurrence basis with a limit not less than \$1,000,000 per occurrence, and the policy shall be issued by the same insurance company that issues the Contractor's Commercial General Liability insurance.

- 3.7.2.2 Automobile Liability. Contractor shall maintain Automobile Liability insurance with an individual single limit for bodily injury and property damage of no less than \$1,000,000, each occurrence, with respect to Contractor's vehicles (whether owned, hired, non-owned), assigned to or used in the performance of this Contract.

- 3.7.2.3 Workers' Compensation. The Contractor shall carry Workers' Compensation insurance to cover obligations imposed by federal and state statutes having jurisdiction of Contractor's employees engaged in the performance of the work or services, as well as Employer's Liability insurance of not less than \$1,000,000 for each accident, \$1,000,000 disease for each employee, and \$1,000,000 disease policy limit.

If any work is subcontracted, the Contractor will require Subcontractor to provide Workers' Compensation and Employer's Liability insurance to at least the same extent as required of the Contractor.

3.7.3 Certificates of Insurance.

- 3.7.3.1 Prior to commencing work or services under this Contract, Contractor shall furnish the County with certificates of insurance, or formal endorsements as required by the Contract **on an ACORD or other similar** ~~in the form provided by the County~~, issued by Contractor's insurer(s), **or insurance broker** as evidence that policies providing the required coverage, conditions and limits required by this Contract are in full force and effect. Such certificates shall

identify this contract number and title.

- 3.7.3.2 Prior to commencing work or services under this Contract, Contractor shall have insurance in effect as required by the Contract in the form provided by the County, issued by Contractor's insurer(s), as evidence that policies providing the required coverage, conditions and limits required by this Contract are in full force and effect. Such certificates shall be made available to the County upon 48 hours notice. **BY SIGNING THE AGREEMENT PAGE THE CONTRACTOR AGREES TO THIS REQUIREMENT AND FAILURE TO MEET THIS REQUIREMENT WILL RESULT IN CANCELLATION OF CONTRACT.**

If a policy does expire during the life of the Contract, a renewal certificate must be sent to the County, **upon fifteen (15) days prior to** the expiration date.

- 3.7.4 Occurrence Basis.

All insurance required by this contract shall be written on an occurrence basis rather than a claims-made basis.

- 3.7.5 Cancellation and Expiration Notice.

Insurance required herein shall not be permitted to expire, be canceled, or materially changed without thirty (30) days prior written notice to the County.

- 3.8 PROCUREMENT CARD ORDERING CAPABILITY:

It is the intent of Maricopa County to utilize a procurement card that may be used by the County from time to time, to place and make payment for orders under the Contract. Contractors without this capability may be considered non-responsive and not eligible for award consideration.

- 3.9 INQUIRIES AND NOTICES:

All inquiries concerning information herein shall be addressed to:

MARICOPA COUNTY
DEPARTMENT OF MATERIALS MANAGEMENT
ATTN: CONTRACT ADMINISTRATION
320 W. LINCOLN ST.
PHOENIX, AZ 85003

Administrative telephone inquiries shall be addressed to:

LONNIE CUNICO, PROCUREMENT CONSULTANT, 602-506-3243
(cunicol@mail.maricopa.gov)

Technical telephone inquiries shall be addressed to:

VICKI TERBOVICH, INFORMATION TECHNOLOGY OFFICER
MARICOPA COUNTY LIBRARY DISTRICT 602-506-2404
(vickiterbovich@mail.maricopa.gov)

Inquiries may be submitted by telephone but must be followed up in writing. No oral communication is binding on Maricopa County.

- 3.10 SUBMISSION PRICE CLARITY:

For reasons of clarity all submissions of pricing (Attachment A) shall be priced in the same unit (size, volume, quantity, weight, etc.) as the bid specifications request. Submissions (bids) failing to comply with this requirement may be declared non-responsive.

3.11 INSTRUCTIONS FOR PREPARING AND SUBMITTING BIDS:

Respondents are to provide one (1) original (labeled) and (3) Three Copies of their Bids and one (1) electronic copy of pricing on a CD. Respondents are to identify their responses with the bid serial number, title and return address to Maricopa County, Department of Materials Management, 320 West Lincoln, Phoenix, Arizona 85003. **A corporate official who has been authorized to make such commitments must sign bids.**

QWEST COMMUNICATIONS, 20 E. THOMAS ROAD 23RD FLOOR, PHOENIX, AZ 85012
4041 N CENTRAL AVE 18TH FLOOR, PHOENIX, AZ 85012

PRICING SHEET S048101/B0604240

WILLING TO ACCEPT FUTURE SOLICITATIONS VIA EMAIL: ☒ YES ☐ NO

WILL YOUR FIRM ACCEPT A PROCUREMENT CARD FOR INVOICE PAYMENT? ☐ YES ☒ NO

INTERNET ORDERING CAPABILITY: ☐ YES ☒ NO ☐ % DISCOUNT

OTHER GOV'T. AGENCIES MAY USE THIS CONTRACT: ☐ YES ☒ NO

1.0 PRICING: *THIRTY-SIX MONTH RATES*

ITEM DESCRIPTION	MONTHLY CHARGES	ONE TIME CHARGE
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2.1.1 METRO ETHERNET BRANCH CIRCUITS

Circuits connect into Metro Ethernet Service/Provider creating V-LAN so that all locations look and act like they are all part of the same LAN.

2.1.1.1	Fountain Hills	BP4L3 100	100 Mbps	<u>\$ 1,411.43</u>	<u>\$ 1,200.00</u>
2.1.1.2	Gilbert	BP4L3 100	100 Mbps	<u>\$ 1,411.43</u>	<u>\$ 1,200.00</u>
2.1.1.3	Surprise	BP4L3 100	100 Mbps	<u>\$ 1,411.43</u>	<u>\$ 1,200.00</u>

2.1.2 METRO ETHERNET DATA CENTER CIRCUITS

Circuits also connect to the Metro Ethernet Infrastructure and are the main locations for proposed Data Center.

2.1.2.1	Campbell/ADM	BP4L3 100	100 Mbps	<u>\$ 1,411.43</u>	<u>\$ 1,200.00</u>
2.1.2.2	Anthem	BP4L3 100	100 Mbps	<u>\$ 1,411.43</u>	<u>\$ 1,200.00</u>

2.1.3 ISP CIRCUITS

Internet Service Provider Bandwidth requirements.
 Each location gets to the bandwidth via their connection.
 Either via Metro Ethernet or Frame Relay

2.1.3.1	Campbell/ADM	9 Mbps ATM		<u>\$ 2,443.43</u>	<u>\$ 310.00</u>
2.1.3.2	Anthem	9 Mbps ATM		<u>\$ 2,443.43</u>	<u>\$ 310.00</u>

2.1.4 FRAME NETWORK

Each location has two virtual circuits pointing through frame relay cloud to ADM/Campbell & Anthem.

2.1.4.1	HollyHock	1.544/1024CIR Frame		<u>\$ 375.28</u>	<u>\$ 500.00</u>
2.1.4.2	Queen Creek	1.544/1024CIR Frame		<u>\$ 375.28</u>	<u>\$ 500.00</u>
2.1.4.3	Laveen	1.544/1024CIR Frame		<u>\$ 375.28</u>	<u>\$ 500.00</u>
2.1.4.4	Gila Bend	1.544/1024CIR Frame		<u>\$ 375.28</u>	<u>\$ 500.00</u>
2.1.4.5	Guadalupe	1.544/1024CIR Frame		<u>\$ 375.28</u>	<u>\$ 500.00</u>
2.1.4.6	Sun Lakes	1.544/1024CIR Frame		<u>\$ 375.28</u>	<u>\$ 500.00</u>
2.1.4.7	El Mirage	1.544/1024CIR Frame		<u>\$ 375.28</u>	<u>\$ 500.00</u>
2.1.4.8	Aguilla	1.544/1024CIR Frame	MPB	<u>\$ 209.88</u>	<u>\$ 50.00</u>
2.1.4.9	Litchfield	1.544/1024CIR Frame		<u>\$ 375.28</u>	<u>\$ 500.00</u>
2.1.4.10	HollyHock	2nd VC		<u>\$ 37.92</u>	<u>\$ 20.00</u>
2.1.4.11	Queen Creek	2nd VC		<u>\$ 37.92</u>	<u>\$ 20.00</u>
2.1.4.12	Laveen	2nd VC		<u>\$ 37.92</u>	<u>\$ 20.00</u>
2.1.4.13	Gila Bend	2nd VC		<u>\$ 37.92</u>	<u>\$ 20.00</u>
2.1.4.14	Guadalupe	2nd VC		<u>\$ 37.92</u>	<u>\$ 20.00</u>
2.1.4.15	Sun Lakes	2nd VC		<u>\$ 37.92</u>	<u>\$ 20.00</u>

QWEST COMMUNICATIONS, 20 E. THOMAS ROAD 23RD FLOOR, PHOENIX, AZ 85012
4041 N CENTRAL AVE 18TH FLOOR, PHOENIX, AZ 85012

2.1.4.16	El Mirage	2nd VC	\$ 37.92	\$ 20.00
2.1.4.17	Aguilla	2nd VC	\$ 37.92	\$ 20.00
2.1.4.18	Litchfield	2nd VC	\$ 37.92	\$ 20.00
2.1.4.19	Aguila	DSL 1.544/VPN		
		To Insure that Aguila has connectivity in event Frame as above in unavailable.	\$ N/A	\$ N/A
2.1.4.20	Campbell	6 Mbps ATM Aggregation Link	\$ 1,626.52	\$ 2,000.00
2.1.4.21	Anthem	6 Mbps ATM Aggregation Link	\$ 1,626.52	\$ 2,000.00

**Redundant Links to insure connectivity for VOIP &
Internet if Metro Outage 1.544/1024C14 FRAME**

2.1.4.22	Fountain Hills	Redundant Link	\$ 400.52	\$ 760.00
2.1.4.23	Gilbert	Redundant Link	\$ 400.52	\$ 760.00
2.1.4.24	Surprise	Redundant Link	\$ 400.52	\$ 760.00

2.1.5 PHONE – POTS BACK-UP LINES

2.1.5.1	Small Libraries	(9) Nine Qty – (1) One Line Each	\$ 373.95	\$ 382.50
2.1.5.2	Large Libraries	(12) Twelve Qty – (3) Three Lines Each	\$ 498.60	\$ 510.00

2.1.6 PHONE – PRIMARY VOICE T1's

Trunk Lines for VOIP to connection

2.1.6.1	Campbell	(3) Three Full T1's prior to final acceptance	\$ 2,107.92	
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2.1.7 EXISTING LINES OF SERVICE

2.1.7.1	One ATM cell relay circuit between the Library District's main computer center, 17811 N. 32nd Street, Phoenix, Arizona and the existing cell relay service at 211 W Monroe St, Phoenix, Arizona.			\$ 1,256.17
2.1.7.2	One ATM cell relay circuit between the Library District's Northwest Regional Library, 16089 N. Bullard, Surprise, and the existing cell relay AZ, 85374 service at 211 W Monroe St, Phoenix, Arizona.			\$ 1,848.03
2.1.7.2.a	ATM DS3 40404 N Gavilan Peak Pkwy 10 Mb CBR			\$ 1,848.03
2.1.7.3	One DS-3 dual entrance, counter-rotating Sonnet Ring Service at 17811 N. 32nd Street, Phoenix, Arizona.			\$ 1,579.08
2.1.7.4	Three DS-1 frame relay access service at 17811 N. 32nd Street, Phoenix, Arizona that come in over Sonnet Ring Service. Two DS-1s will have 3 PVC's and one DS-1 will have 4 PVC's.			\$ 1,004.49

Sonet Ring Service is no longer Tariffed. Must convert by 7/1/05 to
ATM OAL with Protection.

QWEST COMMUNICATIONS, 20 E. THOMAS ROAD 23RD FLOOR, PHOENIX, AZ 85012
4041 N CENTRAL AVE 18TH FLOOR, PHOENIX, AZ 85012

- 2.1.7.5 One Point-to-Point DS-1 service from the Southeast Regional Library, 775 N. Greenfield Road, Gilbert, Arizona to the Southeast Regional Court Complex, 155 E. Coury, Mesa, Arizona \$ 332.10
- 2.1.7.6 One Point-to-Point DS-1 service from the Fountain Hills Branch Library, 12901 N La Montana Dr, Fountain Hills, AZ to the Library District main computer center, 17811 N. 32nd Street. \$ 3432.84
- 2.1.7.7 One Digital Subscriber Line T-1 at the Library District's Litchfield Park Branch located at 101 W. Wigwam Boulevard, Litchfield Park, Arizona 85340 \$ 313.99
- 2.1.7.8 Seven DS-1 frame relay access service with one PVC each. Each of these will point back to one of the three DS-1s mentioned in item number 2.1.7.4. The locations where DS-1 frame relay service is desired are as follows:
- 14011 N 1st Ave El Mirage, Arizona, 85335 \$ 375.28
 - 202 N. Euclid, Gila Bend, Arizona, 85337 \$ 375.28
 - 9241 S. Avenida del Yaqui, Guadalupe, Arizona, 85283 \$ 375.28
 - 9401 S. 51st Avenue, Laveen, Arizona, 85339 \$ 375.28
 - 22407 S. Ellsworth Road, Queen Creek, Arizona, 85242 \$ 375.28
 - 9330 E. Riggs Road, Suite 207, Sun Lakes, Arizona, 85248 \$ 375.28
 - 15844 N. Hollyhock, Surprise, Arizona, 85374 \$ 375.28

2.1.8 Metro Ethernet Data Center Circuits:

The current request for the MOE aggregation links at Campbell and Anthem are 100Mbps each. With the potential of more than 100Mbps of traffic converging onto those 100Mbps links Qwest is proposing a larger aggregation link at the Campbell and Anthem locations. The requested 100Mbps links at Campbell and Anthem are listed in the given price sheet, but as an alternate options Qwest would like to propose:

3 Year Rate			
1.	Campbell/ADM 300Mbps	\$2519.86 MRC	\$1200.00 NRC
2.	Anthem 300Mbps	\$2519.86 MRC	\$1200.00 NRC
5 Year Rate			
3.	Campbell/ADM 300Mbps	\$2371.64 MRC	\$1200.00 NRC
4.	Anthem 300Mbps	\$2371.64 MRC	\$1200.00 NRC

MRC = Monthly Recurring Charge

NRC = One Time Charges

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2.1.9 ISP Circuits:

All ATM ISP pricing has been calculated as if it will be transported over existing ATM DS3 at Campbell and Anthem locations. All ATM ISP pricing has the ISP and ATM bandwidth charges calculated together in the monthly rate.

3 Year Rate

1.	Campbell/ADM 12Mbps ATM	\$2899.23 MRC	\$310.00 NRC
2.	Anthem 12Mbps ATM	\$2899.23 MRC	\$310.00 NRC
3.	Campbell/ADM 15Mbps ATM	\$3399.87 MRC	\$310.00 NRC
4.	Anthem 15Mbps ATM	\$3399.87 MRC	\$310.00 NRC

5 Year Rate

5.	Campbell/ADM 12Mbps ATM	\$2869.34 MRC	\$310.00 NRC
6.	Anthem 12Mbps ATM	\$2869.34 MRC	\$310.00 NRC
7.	Campbell/ADM 15Mbps ATM	\$3362.51 MRC	\$310.00 NRC
8.	Anthem 15Mbps ATM	\$3362.51 MRC	\$310.00 NRC

MRC = Monthly Recurring Charge

NRC = One Time Charges

Qwest can also provide ISP services over QMOE. One advantage in providing the ISP services over QMOE is that MCLD can utilize an existing QMOE circuit. The pricing provided below will assume that the IPS services will be transported across an existing QMOE connection. If ISP service are to be brought in on a standalone QMOE connection these prices are not valid.

3 Year Rate

1.	Campbell/ADM 10Mbps Eth	\$1378.22 MRC	\$1500.00 NRC
2.	Anthem 20Mbps Eth	\$2433.19 MRC	\$1500.00 NRC

2.1.10 Frame Network:

Under section 2.1.4.20 and section 2.1.4.21 MCLD is asking for a 6Mbps aggregation link at Campbell and Anthem for all Frame Relay PVC to IPVC connections. Inside of the Qwest network all logical ATM connections must be point to point. Because of this you can't have one large aggregation port for all Frame Relay connections to point too. Each Frame Relay DLCI will point to an ATM VPI/VCI in side of the Qwest network. Each one of these connections will be allocated bandwidth on the network. Qwest can allocate bandwidth in 64Kbps and 1Mbps increments for the IPVC connections. The 64Kbps units can only be allocated up to 24, which will supply a 1.536Mbps ATM UBR connections into the ATM cloud for the IPVC. On the Frame Relay side of these connections your CIR will be set to 1024Kpbs with a max burst of line rate. With these bandwidth allocations on the Frame relay and ATM side of the connections MCLD will get the greatest amount of bandwidth possible in a PVC to IPVC connection.

The price structure in the pricing sheet has been presented in the same manor that is will appear on your bill. Qwest will invoice for each 64Kpbs unit of bandwidth on a given DS3 ATM connection. The total bandwidth for each DS3 ATM dedicated to IPVC traffic will be 12.288Mbps. If Aguilla can qualify for T1 Frame Relay access the Campbell DS3 ATM will have 13.824Mbps of bandwidth for IPVC.

Under Section 2.1.4.22, 2.1.4.23, and 2.1.4.24 MCLD has asked for redundant links to insure VOIP and Internet connectivity. On the pricing sheet Qwest has supplied a Frame Relay connection pointed to the Campbell DS3 ATM with IPVC's. As another redundancy option Qwest has priced out a Frame Relay connection with 2 PVC/IPVC pointed to both Campbell and Anthem. This optional pricing is listed below.

3 Year Rate

3.	Fountain Hills	T1 Frame 2 PVC/IPVC	\$463.68 MRC	\$990.00 NRC
4.	Gilbert	T1 Frame 2 PVC/IPVC	\$463.68 MRC	\$990.00 NRC
5.	Surprise	T1 Frame 2 PVC/IPVC	\$463.68 MRC	\$990.00 NRC

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5 Year Rate

6. Fountain Hills	T1 Frame 2 PVC/IPVC	\$449.83 MRC	\$990.00 NRC
7. Gilbert	T1 Frame 2 PVC/IPVC	\$449.83 MRC	\$990.00 NRC
8. Surprise	T1 Frame 2 PVC/IPVC	\$449.83 MRC	\$990.00 NRC

ATTACHMENT A-1

1.0 PRICING: SIXTY MONTH RATES

ITEM DESCRIPTION	MONTHLY CHARGES	ONE TIME CHARGE
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2.1.1 METRO ETHERNET BRANCH CIRCUITS

Circuits connect into Metro Ethernet Service/Provider creating V-LAN so that all locations look and act like they are all part of the same LAN.

2.1.1.1	Fountain Hills	BP4L3 100	100 Mbps	\$ 1,328.40	\$ 1,200.00
2.1.1.2	Gilbert	BP4L3 100	100 Mbps	\$ 1,328.40	\$ 1,200.00
2.1.1.3	Surprise	BP4L3 100	100 Mbps	\$ 1,328.40	\$ 1,200.00

2.1.2 METRO ETHERNET DATA CENTER CIRCUITS

Circuits also connect to the Metro Ethernet Infrastructure and are the main locations for proposed Data Center.

2.1.2.1	Campbell/ADM	BP4L3 100	100 Mbps	\$ 1,328.40	\$ 1,200.00
2.1.2.2	Anthem	BP4L3 100	100 Mbps	\$ 1,328.40	\$ 1,200.00

2.1.3 ISP CIRCUITS

Internet Service Provider Bandwidth requirements.
Each location gets to the bandwidth via their connection.
Either via Metro Ethernet or Frame Relay

2.1.3.1	Campbell/ADM	9 Mbps ATM	\$ 2,421.01	\$ 310.00
2.1.3.2	Anthem	9 Mbps ATM	\$ 2,421.01	\$ 310.00

2.1.4 FRAME NETWORK

Each location has two virtual circuits pointing through frame relay cloud to ADM/Campbell & Anthem.

2.1.4.1	HollyHock	1.544/1024CIR Frame	\$ 365.14	\$ 500.00
2.1.4.2	Queen Creek	1.544/1024CIR Frame	\$ 365.14	\$ 500.00
2.1.4.3	Laveen	1.544/1024CIR Frame	\$ 365.14	\$ 500.00
2.1.4.4	Gila Bend	1.544/1024CIR Frame	\$ 365.14	\$ 500.00
2.1.4.5	Guadalupe	1.544/1024CIR Frame	\$ 365.14	\$ 500.00

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2.1.4.6	Sun Lakes	1.544/1024CIR Frame	\$ 365.14	\$ 500.00
2.1.4.7	El Mirage	1.544/1024CIR Frame	\$ 365.14	\$ 500.00
2.1.4.8	Aguilla	1.544/1024CIR Frame	\$ 209.88	\$ 50.00
2.1.4.9	Litchfield	1.544/1024CIR Frame	\$ 365.14	\$ 500.00
2.1.4.10	HollyHock	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.11	Queen Creek	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.12	Laveen	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.13	Gila Bend	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.14	Guadalupe	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.15	Sun Lakes	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.16	El Mirage	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.17	Aguilla	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.18	Litchfield	2 nd VC	\$ 36.86	\$ 20.00
2.1.4.19	Aguila	DSL 1.544/VPN		
		To Insure that Aguila has connectivity in event Frame as above in unavailable.	\$ N/A	\$ N/A
2.1.4.20	Campbell	6 Mbps ATM Aggregation Link	\$ 1,532.09	\$ 2,000.00
2.1.4.21	Anthem	6 Mbps ATM Aggregation Link	\$ 1,532.09	\$ 2,000.00

**Redundant Links to insure connectivity for VOIP &
Internet if Metro Outage 1.544/1024C14 FRAME**

2.1.4.22	Fountain Hills	Redundant Link	\$ 389.06	\$ 940.00
2.1.4.23	Gilbert	Redundant Link	\$ 389.06	\$ 940.00
2.1.4.24	Surprise	Redundant Link	\$ 389.06	\$ 940.00

2.1.5 PHONE – POTS BACK-UP LINES

2.1.5.1	Small Libraries	(9) Nine Qty – (1) One Line Each	\$ 373.95	\$ 382.50
2.1.5.2	Large Libraries	(12) Twelve Qty – (3) Three Lines Each	\$ 498.60	\$ 510.00

2.1.6 PHONE – PRIMARY VOICE T1's

Trunk Lines for VOIP to connection

2.1.6.1	Campbell	(3) Three Full T1's prior to final acceptance	\$ 2,107.92	\$ -
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2.1.7 EXISTING LINES OF SERVICE

2.1.7.1	One ATM cell relay circuit between the Library District's main computer center, 17811 N. 32nd Street, Phoenix,		
	Arizona and the existing cell relay service at 211 W Monroe St, Phoenix, Arizona.	\$ 1,182.28	\$ -
2.1.7.2	One ATM cell relay circuit between the Library District's Northwest Regional Library, 16089 N. Bullard, Surprise, and the existing cell relay AZ, 85374 service at 211 W Monroe St, Phoenix, Arizona.	\$ 1,738.32	\$ -
2.1.7.2.a	ATM DS3 40404 N Gavilan Peak Pkwy 10 Mb CBR	\$ 1,738.32	\$ -
2.1.7.3	One DS-3 dual entrance, counter-rotating Sonnet Ring Service at 17811 N. 32nd Street, Phoenix, Arizona.	\$ 1,487.81	\$ -
2.1.7.4	Three DS-1 frame relay access service at 17811 N. 32nd Street, Phoenix, Arizona that come in over Sonnet Ring Service. Two DS-1s will have 3 PVC's and one DS-1 will have 4 PVC's.	\$ 977.35	\$ -
	Sonet Ring Service is no longer Tariffed. Must convert by 7/1/05 to ATM OAL with Protection.		
2.1.7.5	One Point-to-Point DS-1 service from the Southeast Regional Library, 775 N. Greenfield Road, Gilbert, Arizona to the Southeast Regional Court Complex, 155 E. Coury, Mesa, Arizona	\$ 287.82	\$ -
2.1.7.6	One Point-to-Point DS-1 service from the Fountain Hills Branch Library, 12901 N La Montana Dr, Fountain Hills, AZ to the Library District main computer center, 17811 N. 32nd Street.	\$ 376.38	\$ -
2.1.7.7	One Digital Subscriber Line T-1 at the Library District's Litchfield Park Branch located at 101 W. Wigwam Boulevard, Litchfield Park, Arizona 85340	\$ 306.83	\$ -

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- Seven DS-1 frame relay access service with one PVC each.
 2.1.7.8 Each of these will point back to one of the three DS-1s mentioned in item number 2.1.7.4. The locations where DS-1 frame relay service is desired are as follows:

- 14011 N 1 st Ave El Mirage, Arizona, 85335	<u>\$ 365.14</u>	<u>\$ -</u>
- 202 N. Euclid, Gila Bend, Arizona, 85337	<u>\$ 365.14</u>	<u>\$ -</u>
- 9241 S. Avenida del Yaqui, Guadalupe, Arizona, 85283	<u>\$ 365.14</u>	<u>\$ -</u>
- 9401 S. 51st Avenue, Laveen, Arizona, 85339	<u>\$ 365.14</u>	<u>\$ -</u>
- 22407 S. Ellsworth Road, Queen Creek, Arizona, 85242	<u>\$ 365.14</u>	<u>\$ -</u>
- 9330 E. Riggs Road, Suite 207, Sun Lakes, Arizona, 85248	<u>\$ 365.14</u>	<u>\$ -</u>
- 15844 N. Hollyhock, Surprise, Arizona, 85374.	<u>\$ 365.14</u>	<u>\$ -</u>

Terms: NET 30

Vendor Number: **W000002116 X**

Telephone Number: 602/512-2513

Fax Number: 602/279-5250

Contact Person: **Robert E. Bobbett**

E-mail Address: Robert.bobbett@qwest.com

Company Web Site: www.qwest.com

Certificates of Insurance Required

Contract Period: To cover the period ending **February 28, 2008.**